

Shannon Taylor

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Education

- 2018 First Class Honours, BBioMedSci
Reproduction, Genetics, and Development, University of Otago
Thesis title: The role of *Numb* in Honeybee Ovary Activation
Supervisor: Prof. Peter Dearden
- 2015 - 2017 BBioMedSci, Molecular Basis of Health and Disease, University of Otago
GPA: 8.3/9
- 2010 - 2014 Westminster School, Adelaide, Australia
ATAR 97.45

Publications and Poster Presentations

- 2018 **Taylor, S.E.**, Tuffrey, J., and Dearden, P.K. (2018) “*Torso-like* is necessary for vitelline membrane integrity in *Nasonia vitripennis*”, Euro Evo Devo 2018, Galway, Ireland.
- 2017 Cridge, A. G., Lovegrove, M, Skelly, J. G., **Taylor, S. E.**, Petersen, G. E.L., Cameron, R. C., and Dearden, P. K. (2017), “The honeybee as a model insect for developmental genetics”, *Genesis* 55: 5, DOI: 10.1002/dvg.23019
- In prep. **Taylor, S.E.**, Tuffrey, J., Lequeux, S and Dearden, P.K. “The *Drosophila* axis formation gene *torso-like* functions to maintain the structure of the vitelline membrane in *Nasonia vitripennis*”. Journal article in preparation.

Scholarships and Awards

- 2017 - 2018 Elizabeth Jean Trotter Scholarship in Biomedical Sciences
- 2017 GSA Student Travel Award to attend the “2017 Annual Conference of the Genetics Society of Australasia with the NZ Society for Biochemistry and Molecular Biology”
- 2015 Academic Excellence Toroa College
- 2015 Certificate of Appreciation for Community Service Toroa College

Research Experience

- 2015- Laboratory of Evolution and Development, Otago University
Molecular biology, genetics, and microscopy techniques to investigate the role of *torso-like* in wasp development
Quantitative imaging to investigate the role of Notch signalling in honeybee ovary activation

Teaching Experience

2018

Department of Biochemistry, Otago University
Tutored groups of 15 second-year medical students in Genetics
Demonstrated laboratory techniques in Biochemistry to first-year students.

Relevant skills

Investigating gene expression using *in situ* hybridization, immunohistochemistry, hybridization chain reaction

Imaging using light microscopy, confocal microscopy, and some electron microscopy

Programming: beginner to intermediate python, R, git.

References

Prof. Peter Dearden

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Sharleen Rae-Whitcombe

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